

22 002 1 1 1 - 01 - 001

1

2

3

4

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6

7

1 Product Series

11=500 Series
21=Mini Series
22=Standard Series
23=Middle Series
24=Large Series

2 Poles

002=2Poles
003=3Poles
.....

3 Type

1=Pin, Male Connector
2=Socket, Male Connector
3=Pin, Female Connector
4=Socket, Female Connector
5=Pin, Panel Mount
6=Socket, Panel Mount
7=Pin to Pin Cable
8=Pin to Socket Cable
9=Socket to Socket Cable

4 Locking Type

1=Screw Type
2=Lock Bayonet Type
3=Push Lock Type

5 Assembly Method

1=Installable 180°
2=Installable 90°
3=Molded 180°
4=Molded 90°
5=Panel Mount
6=Screw Fix

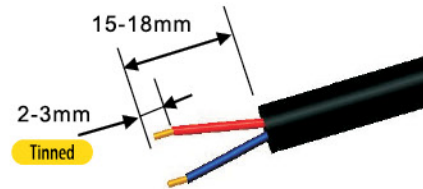
6 Connector Sequence Code

From 01 to 99

7 Cable Sequence Code

From 001 to 999

1 Strip and prepare Cable.



2 Thread Seals Nut, Seals Ring, Clamp Ring and O-Ring onto the cable.



3 Solder wire.



4 Assemble O-Ring into Clamp ring.



5 Assemble Clamp Ring to Housing.



6 Put Seals Ring to the Clamp Ring.



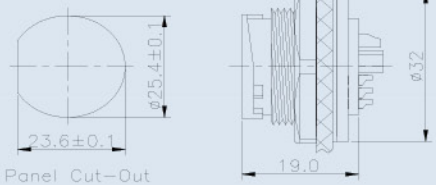
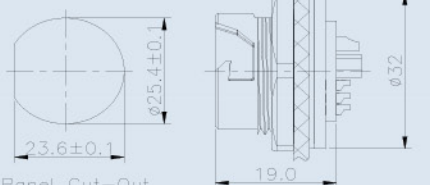
7 Assemble Seals Nut and Clamp Ring.



LARGE SERIES

Large Series Specifications

Large Series, Panel Mount & Male Pin

Description	Front Panel Mount Lock Bayonet Type, Solder		Front Panel Mount Push Lock Type, Solder	
	Figure		Figure	
				
Drawing	Max 5.0		Max 2.2	
				
Part-No.	Contacts		Contacts	
	Part Number		Part Number	
	2	24002525-01 	2	24002535-01 
	3(20A)	24003525-01 	3(20A)	24003535-01 
	3(50A)	24003525-02	3(50A)	24003535-02
	9	24009525-01	9	24009535-01
	18	24018525-01	18	24018535-01
	24	24024525-01	24	24024535-01
	3+9(MF)	24309525-01 	3+9(MF)	24309535-01 
	3+11(MF)	24311525-01	3+11(MF)	24311535-01

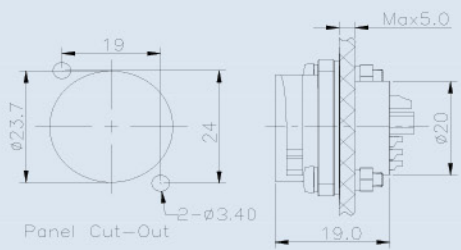
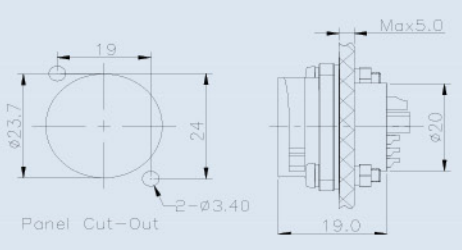
Specifications								
Number of Contacts	2	3	3	9	18	24	3+9	3+11
Wire Gauge	4.0mm ² (12AWG)		8.4mm ² (8AWG)	0.75mm ² (18AWG)		0.3mm ² (22AWG)	2.5mm ² +0.2mm ² (12AWG+24AWG)	
Panel Thickness	Max. 5.0mm				Max. 2.2mm			
Environmental Protection	IP67							
Mechanical Life	500 mating cycles							
Operating Temperature	- 45℃ - 105℃							
Voltage Rating	300V	300V	300V	125V	125V	300V	300V	
Rated Current (40℃)	20A	20A	50A	5A	5A	20A+5A	20A+5A	

LARGE SERIES

Large Series Specifications

Large Series, Panel Mount & Male Pin

Description	Square Panel Mount Lock Bayonet Type, Solder	Square Panel Mount Push Lock Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Part Number	Contacts	Part Number
	2	24002526-01 	2	24002536-01 
	3(20A)	24003526-01 	3(20A)	24003536-01 
	3(50A)	24003526-02	3(50A)	24003536-02
	9	24009526-01	9	24009536-01
	3+9(MF)	24309526-01 	3+9(MF)	24309536-01 

Specifications

Number of Contacts	2	3	3	9	3+9
Wire Gauge	4.0mm ² (12AWG)	8.4mm ² (8AWG)	0.75mm ² (18AWG)		2.5mm ² +0.2mm ² (12AWG+24AWG)
Panel Thickness	Max. 5.0mm				Max. 5.0mm
Environmental Protection	IP67				
Mechanical Life	500 mating cycles				
Operating Temperature	- 45°C - 105°C				
Voltage Rating	300V	300V	300V	125V	300V
Rated Current (40°C)	20A	20A	50A	5A	20A+5A

LARGE SERIES

Large Series Specifications

Large Series, Panel Mount & Male Pin

Description Rhombus Panel Mount
Lock Bayonet Type, Solder

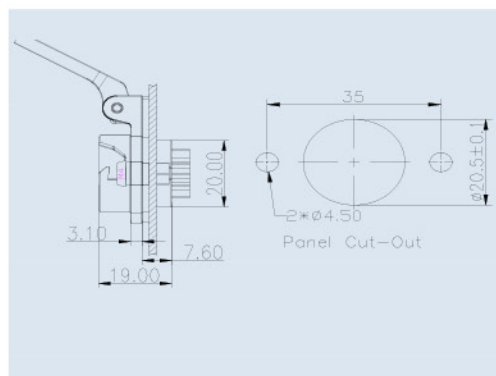
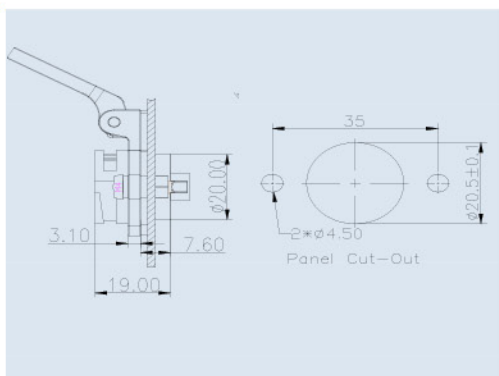
Figure



Description Rhombus Panel Mount
Push Lock Type, Solder



Drawing



Part-No.	Contacts	Part Number	Contacts	Part Number
	2	24002526-02 	2	24002536-02 
	3(20A)	24003526-03 	3(20A)	24003536-03 
	3(50A)	24003526-04	3(50A)	24003536-04
	9	24009526-02	9	24009536-02
	3+9(MF)	24309526-02 	3+9(MF)	24309536-02 

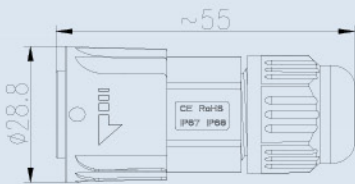
Specifications

Number of Contacts	2	3	3	9	3+9
Wire Gauge	4.0mm ² (12AWG)	8.4mm ² (8AWG)	0.75mm ² (18AWG)		2.5mm ² +0.2mm ² (12AWG+24AWG)
Panel Thickness	Max. 5.0mm				Max. 5.0mm
Environmental Protection	IP67				
Mechanical Life	500 mating cycles				
Operating Temperature	- 45°C - 105°C				
Voltage Rating	300V	300V	300V	125V	300V
Rated Current (40°C)	20A	20A	50A	5A	20A+5A

LARGE SERIES

Large Series Specifications

Large Series, Male Connector & Female Pin

Description	Field Installable, 180° Lock Bayonet Type, Solder	Field Installable, 180° Push Lock Type, Solder																																																																																						
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Drawing																																																																																								
Part-No.	<table border="1"> <thead> <tr> <th>Contacts</th><th>Cable Range(mm)</th><th>Part Number</th></tr> </thead> <tbody> <tr> <td rowspan="2">2</td><td>4.5 - 6.5</td><td>24002221-01</td></tr> <tr> <td>6.5 - 10.5</td><td>24002221-02</td></tr> <tr> <td rowspan="2">3(20A)</td><td>4.5 - 6.5</td><td>24003221-01</td></tr> <tr> <td>6.5 - 10.5</td><td>24003221-02</td></tr> <tr> <td rowspan="2">3(50A)</td><td>4.5 - 6.5</td><td>24003221-03</td></tr> <tr> <td>6.5 - 10.5</td><td>24003221-04</td></tr> <tr> <td rowspan="2">9</td><td>4.5 - 6.5</td><td>24009221-01</td></tr> <tr> <td>6.5 - 10.5</td><td>24009221-02</td></tr> <tr> <td rowspan="2">18</td><td>4.5 - 6.5</td><td>24018221-01</td></tr> <tr> <td>6.5 - 10.5</td><td>24018221-02</td></tr> <tr> <td rowspan="2">24</td><td>4.5 - 6.5</td><td>24024221-01</td></tr> <tr> <td>6.5 - 10.5</td><td>24024221-02</td></tr> <tr> <td rowspan="2">3+9(FM)</td><td>4.5 - 6.5</td><td>24309221-01</td></tr> <tr> <td>6.5 - 10.5</td><td>24309221-02</td></tr> <tr> <td rowspan="2">3+11(FM)</td><td>4.5 - 6.5</td><td>24311221-01</td></tr> <tr> <td>6.5 - 10.5</td><td>24311221-02</td></tr> </tbody> </table>	Contacts	Cable Range(mm)	Part Number	2	4.5 - 6.5	24002221-01	6.5 - 10.5	24002221-02	3(20A)	4.5 - 6.5	24003221-01	6.5 - 10.5	24003221-02	3(50A)	4.5 - 6.5	24003221-03	6.5 - 10.5	24003221-04	9	4.5 - 6.5	24009221-01	6.5 - 10.5	24009221-02	18	4.5 - 6.5	24018221-01	6.5 - 10.5	24018221-02	24	4.5 - 6.5	24024221-01	6.5 - 10.5	24024221-02	3+9(FM)	4.5 - 6.5	24309221-01	6.5 - 10.5	24309221-02	3+11(FM)	4.5 - 6.5	24311221-01	6.5 - 10.5	24311221-02	<table border="1"> <thead> <tr> <th>Contacts</th><th>Cable Range(mm)</th><th>Part Number</th></tr> </thead> <tbody> <tr> <td rowspan="2">2</td><td>4.5 - 6.5</td><td>24002231-01</td></tr> <tr> <td>6.5 - 10.5</td><td>24002231-02</td></tr> <tr> <td rowspan="2">3(20A)</td><td>4.5 - 6.5</td><td>24003231-01</td></tr> <tr> <td>6.5 - 10.5</td><td>24003231-02</td></tr> <tr> <td rowspan="2">3(50A)</td><td>4.5 - 6.5</td><td>24003231-03</td></tr> <tr> <td>6.5 - 10.5</td><td>24003231-04</td></tr> <tr> <td rowspan="2">9</td><td>4.5 - 6.5</td><td>24009231-01</td></tr> <tr> <td>6.5 - 10.5</td><td>24009231-02</td></tr> <tr> <td rowspan="2">18</td><td>4.5 - 6.5</td><td>24018231-01</td></tr> <tr> <td>6.5 - 10.5</td><td>24018231-02</td></tr> <tr> <td rowspan="2">24</td><td>4.5 - 6.5</td><td>24024231-01</td></tr> <tr> <td>6.5 - 10.5</td><td>24024231-02</td></tr> <tr> <td rowspan="2">3+9(FM)</td><td>4.5 - 6.5</td><td>24309231-01</td></tr> <tr> <td>6.5 - 10.5</td><td>24309231-02</td></tr> <tr> <td rowspan="2">3+11(FM)</td><td>4.5 - 6.5</td><td>24311231-01</td></tr> <tr> <td>6.5 - 10.5</td><td>24311231-02</td></tr> </tbody> </table>	Contacts	Cable Range(mm)	Part Number	2	4.5 - 6.5	24002231-01	6.5 - 10.5	24002231-02	3(20A)	4.5 - 6.5	24003231-01	6.5 - 10.5	24003231-02	3(50A)	4.5 - 6.5	24003231-03	6.5 - 10.5	24003231-04	9	4.5 - 6.5	24009231-01	6.5 - 10.5	24009231-02	18	4.5 - 6.5	24018231-01	6.5 - 10.5	24018231-02	24	4.5 - 6.5	24024231-01	6.5 - 10.5	24024231-02	3+9(FM)	4.5 - 6.5	24309231-01	6.5 - 10.5	24309231-02	3+11(FM)	4.5 - 6.5	24311231-01	6.5 - 10.5	24311231-02
Contacts	Cable Range(mm)	Part Number																																																																																						
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3+11(FM)	4.5 - 6.5	24311231-01																																																																																						
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Specifications

Number of Contacts	2	3	3	9	18	24	3+9	3+11
Wire Gauge	4.0mm ² (12AWG)		8.4mm ² (8AWG)	0.75mm ² (18AWG)		0.3mm ² (22AWG)	2.5mm ² +0.2mm ² (12AWG+24AWG)	
Cable Range	4.5mm - 6.5mm, 6.5mm - 10.5mm							
Environmental Protection	IP67							
Mechanical Life	500 mating cycles							
Operating Temperature	- 45°C - 105°C							
Voltage Rating	300V	300V	300V	125V	125V	125V	300V	300V
Rated Current (40°C)	20A	20A	50A	5A	5A	5A	20A+5A	20A+5A

LARGE SERIES

Large Series Specifications

Large Series, Male Connector & Female Pin

Description Molded with Cable, 180° Lock Bayonet Type, Solder

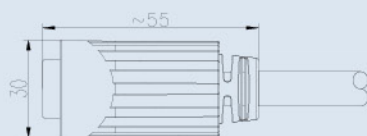
Figure



Description Molded with Cable, 180° Push Lock Type, Solder



Drawing



Part-No.	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	Max. 13.0mm	24002223-01-XXX 	2	Max. 13.0mm	24002233-01-XXX 
	3(20A)	Max. 13.0mm	24003223-01-XXX 	3(20A)	Max. 13.0mm	24003233-01-XXX 
	3(50A)	Max. 13.0mm	24003223-02-XXX	3(50A)	Max. 13.0mm	24003233-02-XXX
	9	Max. 13.0mm	24009223-01-XXX	9	Max. 13.0mm	24009233-01-XXX
	18	Max. 13.0mm	24018223-01-XXX	18	Max. 13.0mm	24018233-01-XXX
	24	Max. 13.0mm	24024223-01-XXX	24	Max. 13.0mm	24024233-01-XXX
	3+9(FM)	Max. 13.0mm	24309223-01-XXX 	3+9(FM)	Max. 13.0mm	24309233-01-XXX 
	3+11(FM)	Max. 13.0mm	24311223-01-XXX	3+11(FM)	Max. 13.0mm	24311233-01-XXX

Specifications

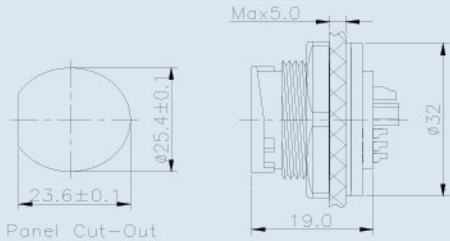
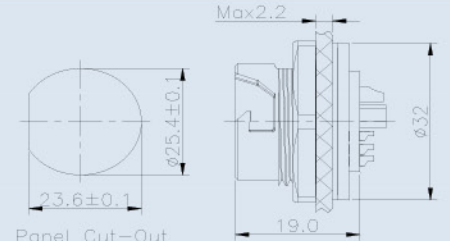
Number of Contacts	2	3	3	9	18	24	3+9	3+11
Wire Gauge	4.0mm ² (12AWG)		8.4mm ² (8AWG)	0.75mm ² (18AWG)		0.3mm ² (22AWG)	2.5mm ² +0.2mm ² (12AWG+24AWG)	
Cable Range	4.5mm - 13.0mm							
Environmental Protection	IP67							
Mechanical Life	500 mating cycles							
Operating Temperature	- 40°C - 80°C							
Voltage Rating	300V	300V	300V	125V	125V	125V	300V	300V
Rated Current (40°C)	20A	20A	50A	5A	5A	5A	20A+5A	20A+5A

LARGE SERIES

Large Series Specifications

Large Series, Panel Mount & Female Pin

Description	Front Panel Mount Lock Bayonet Type, Solder	Front Panel Mount Push Lock Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Part Number	Contacts	Part Number
	2	24002625-01 	2	24002635-01 
	3(20A)	24003625-01 	3(20A)	24003635-01 
	3(50A)	24003625-02	3(50A)	24003635-02
	9	24009625-01	9	24009635-01
	18	24018625-01	18	24018635-01
	3+9(FM)	24309625-01 	3+9(FM)	24309635-01 
	3+11(FM)	24311625-01	3+11(FM)	24311635-01

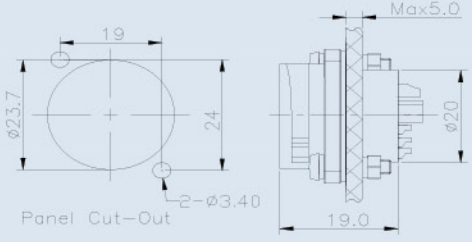
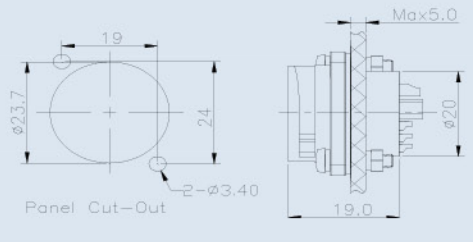
Specifications							
Number of Contacts	2	3	3	9	18	3+9	3+11
Wire Gauge	4.0mm ² (12AWG)		8.4mm ² (8AWG)		0.75mm ² (18AWG)		2.5mm ² +0.2mm ² (12AWG+24AWG)
Panel Thickness	Max. 5.0mm					Max. 2.2mm	
Environmental Protection	IP67						
Mechanical Life	500 mating cycles						
Operating Temperature	- 45℃ - 105℃						
Voltage Rating	300V	300V	300V	125V	125V	300V	300V
Rated Current (40℃)	20A	20A	50A	5A	5A	20A+5A	20A+5A

LARGE SERIES

Large Series Specifications

Large Series, Panel Mount & Female Pin

Description	Square Panel Mount Lock Bayonet Type, Solder	Square Panel Mount Push Lock Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Part Number	Contacts	Part Number
	2	24002626-01 	2	24002636-01 
	3(20A)	24003626-01 	3(20A)	24003636-01 
	3(50A)	24003626-02	3(50A)	24003636-02
	9	24009626-01	9	24009636-01
	3+9(FM)	24309626-01 	3+9(FM)	24309636-01 

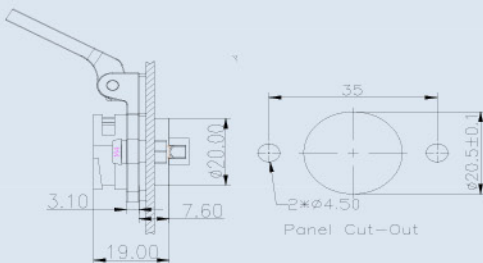
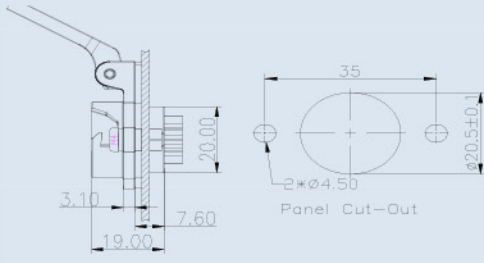
Specifications					
Number of Contacts	2	3	3	9	3+9
Wire Gauge	4.0mm ² (12AWG)	8.4mm ² (8AWG)	0.75mm ² (18AWG)		2.5mm ² +0.2mm ² (12AWG+24AWG)
Panel Thickness	Max. 5.0mm				Max. 5.0mm
Environmental Protection	IP67				
Mechanical Life	500 mating cycles				
Operating Temperature	- 45°C - 105°C				
Voltage Rating	300V	300V	300V	125V	300V
Rated Current (40°C)	20A	20A	50A	5A	20A+5A

LARGE SERIES

Large Series Specifications

Large Series, Panel Mount & Female Pin

Description	Rhombus Panel Mount Lock Bayonet Type, Solder	Rhombus Panel Mount Push Lock Type, Solder
Figure		

Drawing		
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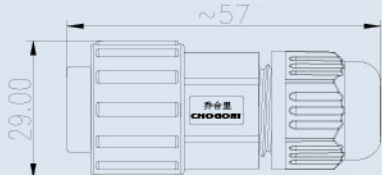
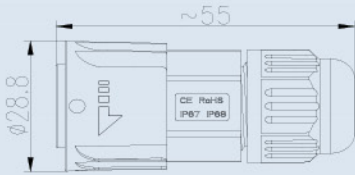
Part-No.	Contacts	Part Number	Contacts	Part Number
	2	24002626-05 	2	24002636-05 
	3(20A)	24003626-03 	3(20A)	24003636-03 
	3(50A)	24003626-04	3(50A)	24003636-04
	9	24009626-05	9	24009636-05
	3+9(FM)	24309626-05 	3+9(FM)	24309636-05 

Specifications					
Number of Contacts	2	3	3	9	3+9
Wire Gauge	4.0mm ² (12AWG)	8.4mm ² (8AWG)	0.75mm ² (18AWG)		2.5mm ² +0.2mm ² (12AWG+24AWG)
Panel Thickness	Max. 5.0mm				Max. 5.0mm
Environmental Protection	IP67				
Mechanical Life	500 mating cycles				
Operating Temperature	- 45°C - 105°C				
Voltage Rating	300V	300V	300V	125V	300V
Rated Current (40°C)	20A	20A	50A	5A	20A+5A

LARGE SERIES

Large Series Specifications

Large Series, Male connector & Male Pin

Description	Field Installable, 180° Lock Bayonet Type, Solder	Field Installable, 180° Push Lock Type, Solder																																																																												
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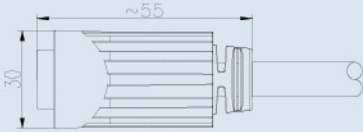
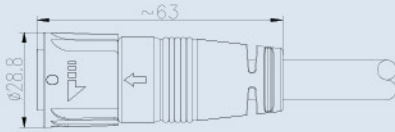
Specifications							
Number of Contacts	2	3	3	9	18	3+9	3+11
Wire Gauge	4.0mm ² (12AWG)		8.4mm ² (8AWG)	0.75mm ² (18AWG)		2.5mm ² +0.2mm ² (12AWG+24AWG)	
Cable Range	4.5mm - 6.5mm, 6.5mm - 10.5mm						
Environmental Protection	IP67						
Mechanical Life	500 mating cycles						
Operating Temperature	- 45℃ - 105℃						
Voltage Rating	300V	300V	300V	125V	125V	300V	300V
Rated Current (40℃)	20A	20A	50A	5A	5A	20A+5A	20A+5A

LARGE SERIES

Large Series Specifications

Large Series, Male connector & Male Pin

Description	Molded with Cable, 180° Lock Bayonet Type, Solder	Molded with Cable, 180° Push Lock Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	Max. 13.0mm	24002123-01-XXX 	2	Max. 13.0mm	24002133-01-XXX 
	3(20A)	Max. 13.0mm	24003123-01-XXX 	3(20A)	Max. 13.0mm	24003133-01-XXX 
	3(50A)	Max. 13.0mm	24003123-02-XXX	3(50A)	Max. 13.0mm	24003133-02-XXX
	9	Max. 13.0mm	24009123-01-XXX	9	Max. 13.0mm	24009133-01-XXX
	18	Max. 13.0mm	24018123-01-XXX	18	Max. 13.0mm	24018133-01-XXX
	3+9(MF)	Max. 13.0mm	24309123-01-XXX 	3+9(MF)	Max. 13.0mm	24309133-01-XXX 
	3+11(MF)	Max. 13.0mm	24311123-01-XXX	3+11(MF)	Max. 13.0mm	24311133-01-XXX

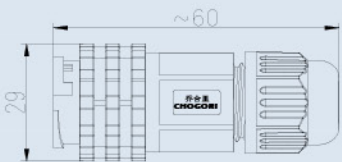
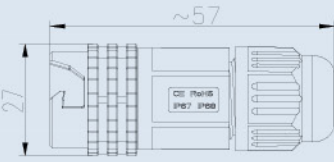
Specifications							
Number of Contacts	2	3	3	9	18	3+9	3+11
Wire Gauge	4.0mm ² (12AWG)		8.4mm ² (8AWG)	0.75mm ² (18AWG)		2.5mm ² +0.2mm ² (12AWG+24AWG)	
Cable Range	4.5mm - 13.0mm						
Environmental Protection	IP67						
Mechanical Life	500 mating cycles						
Operating Temperature	- 40℃ - 80℃						
Voltage Rating	300V	300V	300V	125V	125V	300V	300V
Rated Current (40℃)	20A	20A	50A	5A	5A	20A+5A	20A+5A

LARGE SERIES

Large Series Specifications

Large Series, Female Connector & Male Pin

Description	Field Installable, 180° Lock Bayonet Type, Solder	Field Installable, 180° Push Lock Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
2		4.5 - 6.5	24002321-01 	2	4.5 - 6.5	24002331-01 
		6.5 - 10.5	24002321-02 			24002331-02 
3(20A)		4.5 - 6.5	24003321-01 	3(20A)	4.5 - 6.5	24003331-01 
		6.5 - 10.5	24003321-02 			24003331-02 
3(50A)		4.5 - 6.5	24003321-03	3(50A)	4.5 - 6.5	24003331-03
		6.5 - 10.5	24003321-04			24003331-04
9		4.5 - 6.5	24009321-01	9	4.5 - 6.5	24009331-01
		6.5 - 10.5	24009321-02			24009331-02
18		4.5 - 6.5	24018321-01	18	4.5 - 6.5	24018331-01
		6.5 - 10.5	24018321-02			24018331-02
3+9(MF)		4.5 - 6.5	24309321-01 	3+9(MF)	4.5 - 6.5	24309331-01 
		6.5 - 10.5	24309321-02 			24309331-02 
3+11(MF)		4.5 - 6.5	24311321-01	3+11(MF)	4.5 - 6.5	24311331-01
		6.5 - 10.5	24311321-02			24311331-02

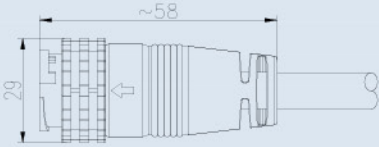
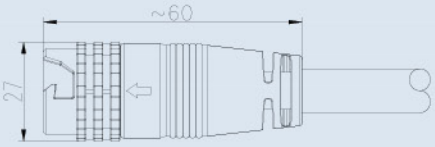
Specifications							
Number of Contacts	2	3	3	9	18	3+9	3+11
Wire Gauge	4.0mm ² (12AWG)		8.4mm ² (8AWG)	0.75mm ² (18AWG)		2.5mm ² +0.2mm ² (12AWG+24AWG)	
Cable Range	4.5mm - 6.5mm, 6.5mm - 10.5mm						
Environmental Protection	IP67						
Mechanical Life	500 mating cycles						
Operating Temperature	- 45℃ - 105℃						
Voltage Rating	300V	300V	300V	125V	125V	300V	300V
Rated Current (40℃)	20A	20A	50A	5A	5A	20A+5A	20A+5A

LARGE SERIES

Large Series Specifications

Large Series, Female Connector & Male Pin

Description	Molded with Cable, 180° Lock Bayonet Type, Solder	Molded with Cable, 180° Push Lock Type, Solder
Figure		

Drawing		
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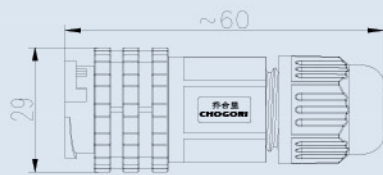
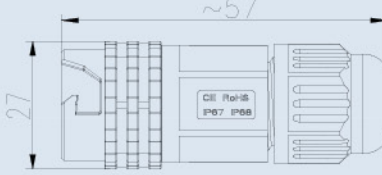
Part-No.	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	Max. 13.0mm	24002323-01-XXX 	2	Max. 13.0mm	24002333-01-XXX 
	3(20A)	Max. 13.0mm	24003323-01-XXX 	3(20A)	Max. 13.0mm	24003333-01-XXX 
	3(50A)	Max. 13.0mm	24003323-02-XXX	3(50A)	Max. 13.0mm	24003333-02-XXX
	9	Max. 13.0mm	24009323-01-XXX	9	Max. 13.0mm	24009333-01-XXX
	18	Max. 13.0mm	24018323-01-XXX	18	Max. 13.0mm	24018333-01-XXX
	3+9(MF)	Max. 13.0mm	24309323-01-XXX 	3+9(MF)	Max. 13.0mm	24309333-01-XXX 
	3+11(MF)	Max. 13.0mm	24311323-01-XXX	3+11(MF)	Max. 13.0mm	24311333-01-XXX

Specifications							
Number of Contacts	2	3	3	9	18	3+9	3+11
Wire Gauge	4.0mm ² (12AWG)		8.4mm ² (8AWG)		0.75mm ² (18AWG)		2.5mm ² +0.2mm ² (12AWG+24AWG)
Cable Range	4.5mm - 13.0mm						
Environmental Protection	IP67						
Mechanical Life	500 mating cycles						
Operating Temperature	- 40℃ - 80℃						
Voltage Rating	300V	300V	300V	125V	125V	300V	300V
Rated Current (40℃)	20A	20A	50A	5A	5A	20A+5A	20A+5A

LARGE SERIES

Large Series Specifications

Large Series, Female connector & Female Pin

Description	Field Installable, 180° Lock Bayonet Type, Solder		Field Installable, 180° Push Lock Type, Solder																																																																													
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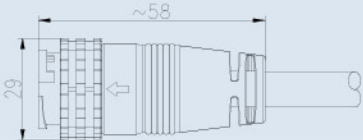
Specifications							
Number of Contacts	2	3	3	9	18	3+9	3+11
Wire Gauge	4.0mm ² (12AWG)		8.4mm ² (8AWG)	0.75mm ² (18AWG)		2.5mm ² +0.2mm ² (12AWG+24AWG)	
Cable Range	4.5mm - 6.5mm, 6.5mm - 10.5mm						
Environmental Protection	IP67						
Mechanical Life	500 mating cycles						
Operating Temperature	- 45°C - 105°C						
Voltage Rating	300V	300V	300V	125V	125V	300V	300V
Rated Current (40℃)	20A	20A	50A	5A	5A	20A+5A	20A+5A

LARGE SERIES

Large Series Specifications

Large Series, Female connector & Female Pin

Description	Molded with Cable, 180° Lock Bayonet Type, Solder	Molded with Cable, 180° Push Lock Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	Max. 13.0mm	24002423-01-XXX 	2	Max. 13.0mm	24002433-01-XXX 
	3(20A)	Max. 13.0mm	24003423-01-XXX 	3(20A)	Max. 13.0mm	24003433-01-XXX 
	3(50A)	Max. 13.0mm	24003423-02-XXX	3(50A)	Max. 13.0mm	24003433-02-XXX
	9	Max. 13.0mm	24009423-01-XXX	9	Max. 13.0mm	24009433-01-XXX
	18	Max. 13.0mm	24018423-01-XXX	18	Max. 13.0mm	24018433-01-XXX
	3+9(FM)	Max. 13.0mm	24309423-01-XXX 	3+9(FM)	Max. 13.0mm	24309433-01-XXX 
	3+11(FM)	Max. 13.0mm	24311423-01-XXX	3+11(FM)	Max. 13.0mm	24311433-01-XXX

Specifications							
Number of Contacts	2	3	3	9	18	3+9	3+11
Wire Gauge	4.0mm ² (12AWG)		8.4mm ² (8AWG)	0.75mm ² (18AWG)		2.5mm ² +0.2mm ² (12AWG+24AWG)	
Cable Range	4.5mm - 13.0mm						
Environmental Protection	IP67						
Mechanical Life	500 mating cycles						
Operating Temperature	- 40℃ - 80℃						
Voltage Rating	300V	300V	300V	125V	125V	300V	300V
Rated Current (40℃)	20A	20A	50A	5A	5A	20A+5A	20A+5A

LARGE SERIES

Large Series Specifications

Large Series, Metal System Push Lock Type

Description

Field Installable, 180°
Male connector with female pin

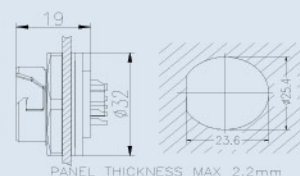
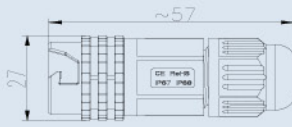
Field Installable, 180°
Female connector with male pin

Front Panel Mount
with Male Pin

Figure



Drawing



Part-No.

Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Part Number
2	4.5 - 6.5	24002231-81	2	4.5 - 6.5	24002331-81	2	24002535-81
	6.5 - 10.5	24002231-82		6.5 - 10.5	24002331-82		
3(20A)	4.5 - 6.5	24003231-81	3(20A)	4.5 - 6.5	24003331-81	3(20A)	24003535-81
	6.5 - 10.5	24003231-82		6.5 - 10.5	24003331-82		
3(50A)	4.5 - 6.5	24003231-83	3(50A)	4.5 - 6.5	24003331-83	3(50A)	24003535-82
	6.5 - 10.5	24003231-84		6.5 - 10.5	24003331-84		
9	4.5 - 6.5	24009231-81	9	4.5 - 6.5	24009331-81	9	24009535-81
	6.5 - 10.5	24009231-82		6.5 - 10.5	24009331-82		
18	4.5 - 6.5	24018231-81	18	4.5 - 6.5	24018331-81	18	24018535-81
	6.5 - 10.5	24018231-82		6.5 - 10.5	24018331-82		
3+9(FM)	4.5 - 6.5	24309231-81	3+9(MF)	4.5 - 6.5	24309331-81	3+9(MF)	24309535-81
	6.5 - 10.5	24309231-82		6.5 - 10.5	24309331-82		
3+11(FM)	4.5 - 6.5	24311231-81	3+11(MF)	4.5 - 6.5	24311331-81	3+11(MF)	24311535-81
	6.5 - 10.5	24311231-82		6.5 - 10.5	24311331-82		

Specifications

Number of Contacts	23		39		18		3+93+11	
Wire Gauge	4.0mm ² (12AWG)		8.4mm ² (8AWG)		0.75mm ² (18AWG)		2.5mm ² +0.2mm ² (12AWG+24AWG)	
Cable Range/Panel Thickness	3.5mm - 6.5mm, 6.5mm - 10.5mm					Max. 2.2mm		
Environmental Protection	IP67							
Mechanical Life	500 mating cycles							
Operating Temperature	- 45°C - 105°C							
Voltage Rating	300V	300V	300V	125V	125V	300V	300V	
Rated Current (40°C)	20A	20A	50A	5A	5A	20A+5A	20A+5A	

LARGE SERIES

Large Series Specifications

Large Series, Metal System Push Lock Type

Description

Field Installable, 180°
Male Connector with Male Pin

Figure



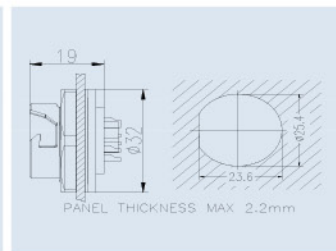
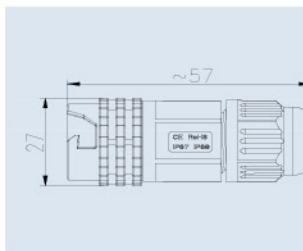
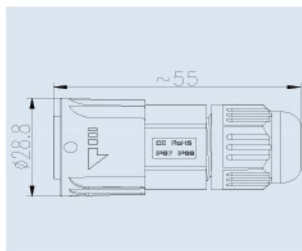
Field Installable, 180°
Female Connector with Female Pin



Front Panel Mount
with Female Pin



Drawing



Part-No.

Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Part Number
2	4.5 - 6.5	24002131-81	2	4.5 - 6.5	24002431-81	2	24002635-81
	6.5 - 10.5	24002131-82		6.5 - 10.5	24002431-82		
3(20A)	4.5 - 6.5	24003131-81	3(20A)	4.5 - 6.5	24003431-81	3(20A)	24003635-81
	6.5 - 10.5	24003131-82		6.5 - 10.5	24003431-82		
3(50A)	4.5 - 6.5	24003131-83	3(50A)	4.5 - 6.5	24003431-83	3(50A)	24003635-82
	6.5 - 10.5	24003131-84		6.5 - 10.5	24003431-84		
9	4.5 - 6.5	24009131-81	9	4.5 - 6.5	24009431-81	9	24009635-81
	6.5 - 10.5	24009131-82		6.5 - 10.5	24009431-82		
18	4.5 - 6.5	24018131-81	18	4.5 - 6.5	24018431-81	18	24018635-81
	6.5 - 10.5	24018131-82		6.5 - 10.5	24018431-82		
3+9(MF)	4.5 - 6.5	24309131-81	3+9(FM)	4.5 - 6.5	24309431-81	3+9(FM)	24309635-81
	6.5 - 10.5	24309131-82		6.5 - 10.5	24309431-82		
3+11(MF)	4.5 - 6.5	24311131-81	3+11(FM)	4.5 - 6.5	24311431-81	3+11(FM)	24311635-81
	6.5 - 10.5	24311131-82		6.5 - 10.5	24311431-82		

Specifications

Number of Contacts	2	3	3	9	18	3+9	3+11
Wire Gauge	4.0mm² (12AWG)		8.4mm² (8AWG)		0.75mm² (18AWG)		2.5mm²+0.2mm² (12AWG+24AWG)
Cable Range/Panel Thickness	3.5mm - 6.5mm, 6.5mm - 10.5mm					Max. 2.2mm	
Environmental Protection	IP67						
Mechanical Life	500 mating cycles						
Operating Temperature	- 45°C - 105°C						
Voltage Rating	300V	300V	300V	125V	125V	300V	300V
Rated Current (40°C)	20A	20A	50A	5A	5A	20A+5A	20A+5A